

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A sealing apparatus, comprising:

a first part having a first surface configured to cooperate with a second surface of a second part;

a groove formed in the first surface;

a first o-ring, configured to seal a first fluid in a first region from a second fluid in a second region, while contained in the groove; and

a second o-ring in continuous contact with the first o-ring while contained in the groove thereby defining a third region between the first o-ring and second o-ring; and
a leak check port in fluid communication with said third region and configured to
check a fluid leak in at least one of said first o-ring and said second o-ring.

Claim 2 (Original): An apparatus according to Claim 1, wherein the first surface is substantially flat except for the groove.

Claim 3 (Original): An apparatus according to Claim 1, wherein the o-rings are substantially circular in the azimuthal direction.

Claim 4 (Original): An apparatus according to Claim 1, wherein the o-rings comprise substantially circular cross-sections.

Claim 5 (Original): An apparatus according to Claim 1, wherein the o-rings are made from a material selected from the group consisting of fluorosilicone, nitrile, fluorocarbon, silicone, neoprene, and ethylene propylene.

Claim 6 (Original): An apparatus according to Claim 2, wherein the groove comprises a substantially dovetail shaped cross section.

Claim 7 (Original): An apparatus according to Claim 6, wherein, when the o-rings are secured by the groove, portions of the o-rings protrude above the first surface.

Claim 8 (Currently Amended): An apparatus according to Claim 1, ~~further comprising a~~ wherein said leak check port having a gas injection point within said third region.

Claim 9 (Original): An apparatus according to Claim 8, further comprising a gas supplying member connected to the gas injection point via the leak check port.

Claim 10 (Currently Amended): An apparatus according to Claim 8, wherein the gas injection point is interposed between ~~the~~ seals created by the first and second o-rings.

Claim 11 (Original): An apparatus according to Claim 8, wherein the gas injection point comprises a hole located in the base of the groove.

Claim 12 (Original): An apparatus according to Claim 8, wherein the gas injection point comprises a hole located in the mating surface of the second part.

Claim 13 (Currently Amended): A sealing apparatus plasma processing chamber, comprising:

a first part of the plasma processing chamber having a first surface;
a second part of the plasma processing chamber having a second surface, wherein said
first surface of the first part is configured to cooperate with a the second surface of a the
second part;
a groove formed in the first surface;
an o-ring, configured to seal a first area between the first and second surfaces from a
second area exterior to the first area, while contained in the groove; and
a grounding gasket, configured to electrically couple the first and second surfaces,
while contained in the groove adjacent the o-ring.

Claim 14 (Original): An apparatus according to Claim 13, wherein the first part
comprises conductive material.

Claim 15 (Original): An apparatus according to Claim 13, wherein the first surface is
substantially flat except for the groove.

Claim 16 (Original): An apparatus according to Claim 13, wherein the o-ring is
substantially circular in the azimuthal direction.

Claim 17 (Original): An apparatus according to Claim 13, wherein the o-ring
comprises a substantially circular cross-section.

Claim 18 (Original): An apparatus according to Claim 13, wherein the o-ring is
made from a material selected from the group consisting of fluorosilicote, nitrile,
fluorocarbon, silicone, neoprene, and ethylene propylene.

Claim 19 (Original): An apparatus according to Claim 13, wherein the grounding gasket comprises a substantially circular cross section.

Claim 20 (Original): An apparatus according to Claim 13, wherein the grounding gasket comprises Spira Shield Quick Shield.

Claim 21 (Original): An apparatus according to Claim 13, wherein the groove comprises a substantially dovetail shaped cross section.

Claim 22 (Original): An apparatus according to Claim 13, wherein, when the o-ring and the grounding gasket are secured within the groove, portions of the o-ring and the grounding gasket protrude above the first surface.